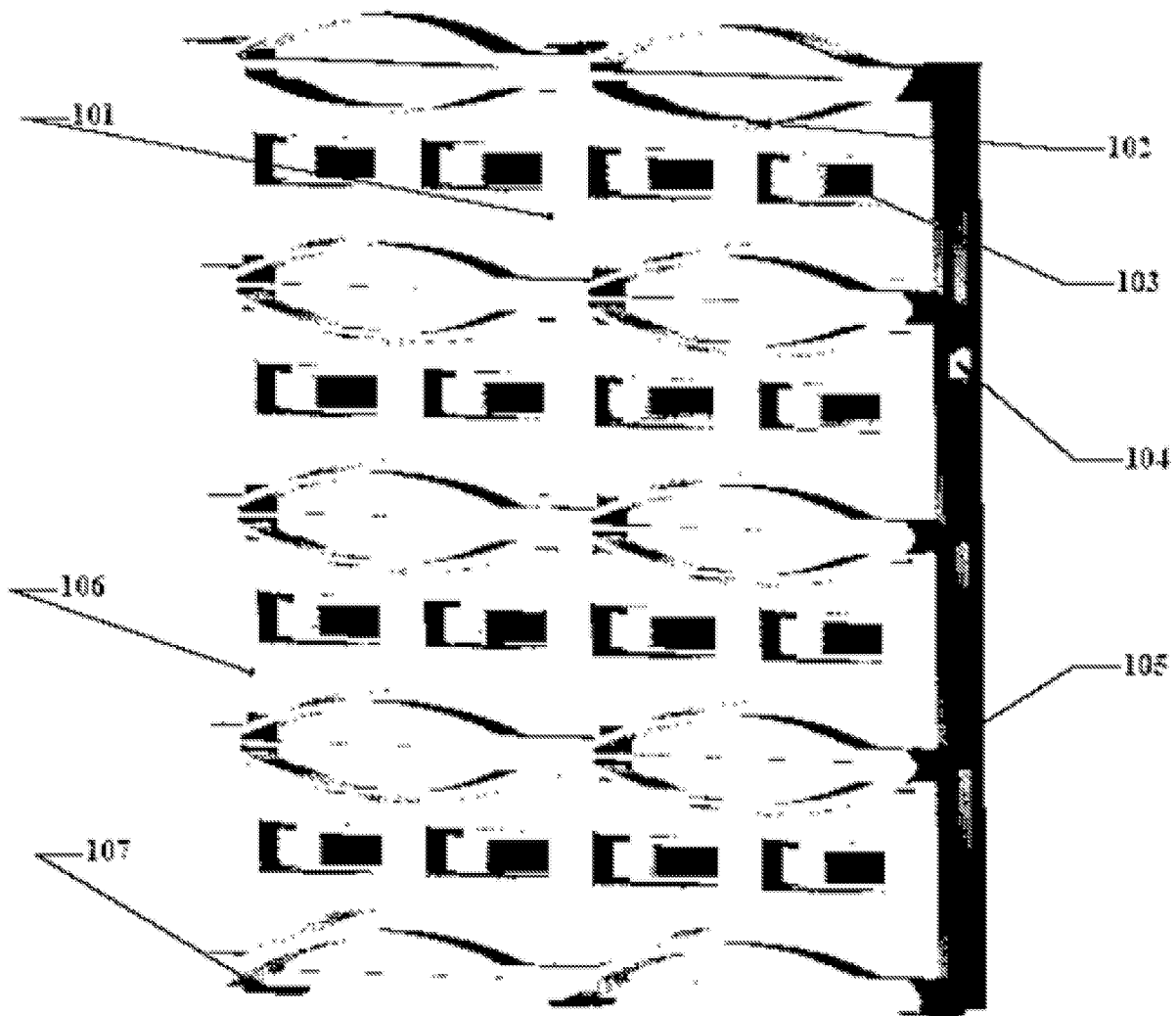


Figure 1 - Perspective View of the Hard Drive Haven



A high-contrast, black and white image of a woven fabric, likely a basket or bag. The image shows a repeating pattern of horizontal bands and vertical stripes. The horizontal bands are composed of several parallel lines, while the vertical stripes are formed by the intersection of these horizontal bands with vertical lines. The overall effect is a grid-like structure with varying line thicknesses and spacing, creating a textured appearance. The image is oriented vertically, with the pattern repeating across the width and height.

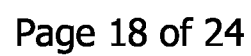
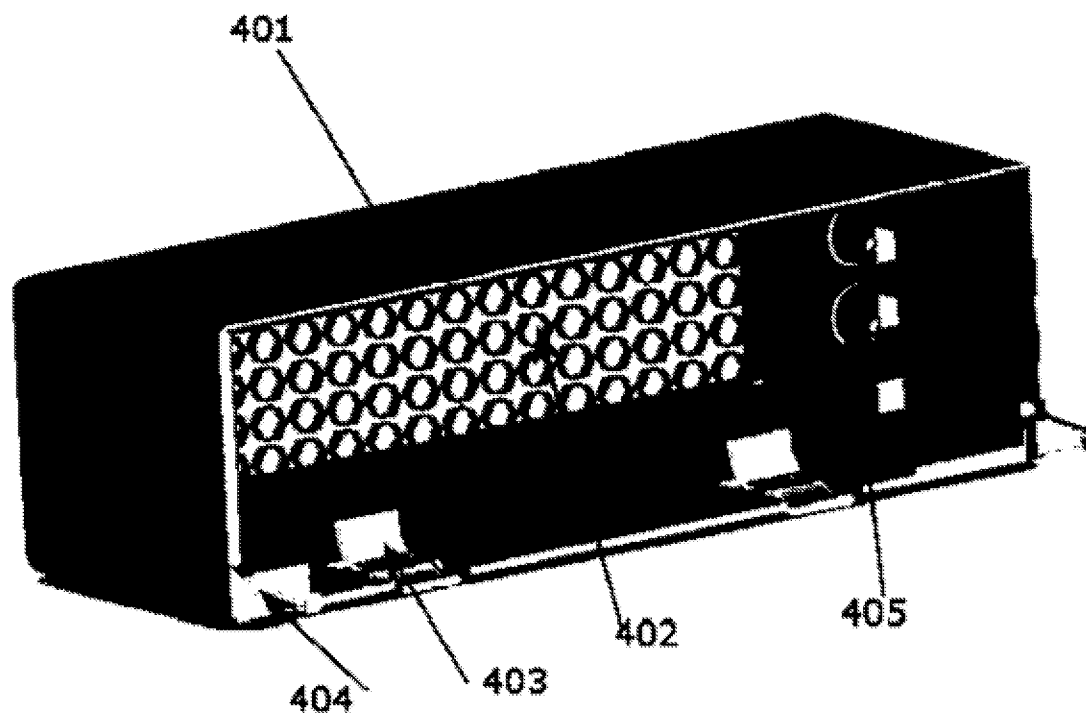


Figure 4 - Perspective View of the Hard Drive Haven Faceplate



**Figure 5 – An Example of a Hard Drive Haven Assembly**

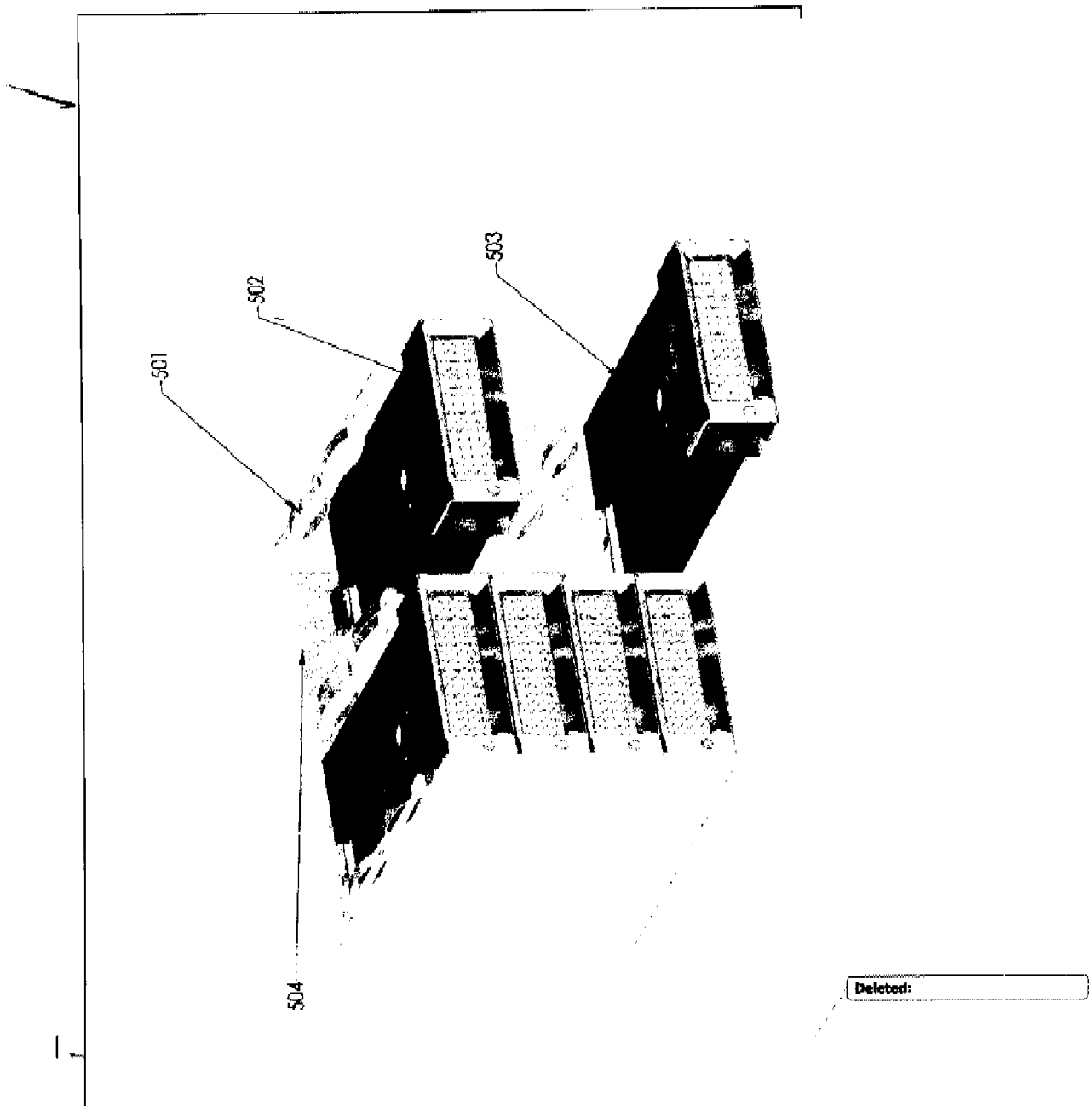
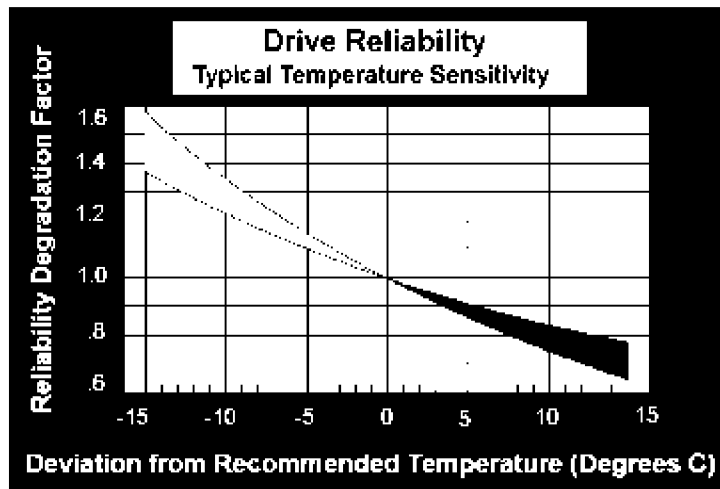
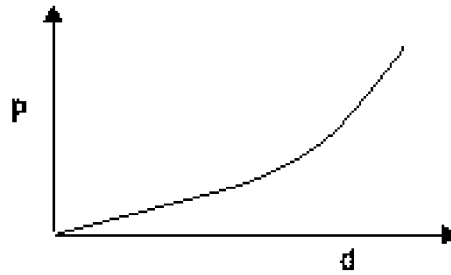
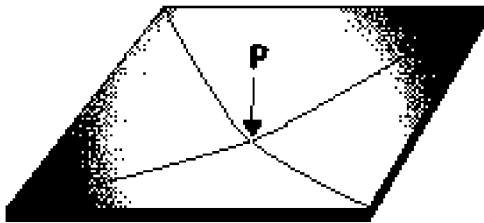
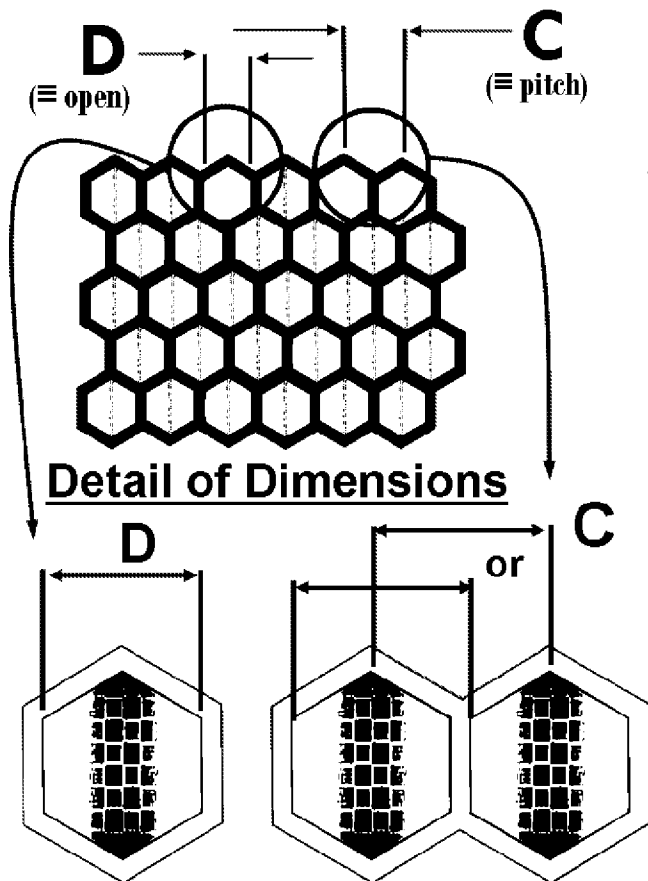


Fig 5



**Figure 6:** Drive reliability decreases significantly as temperature rises above recommended levels





$$\%O.A. = 100 \times \left\{ \frac{D^2}{C^2} \right\}$$

(OA  $\equiv$  Open Area)

Where the current Haven faceplate values for

C & D are<sup>①</sup>: C = 0.155

D = 0.125

$$\%O.A. = 100 \times \left\{ \frac{0.125^2}{0.155^2} \right\}$$

$$\%OA = 65\%$$

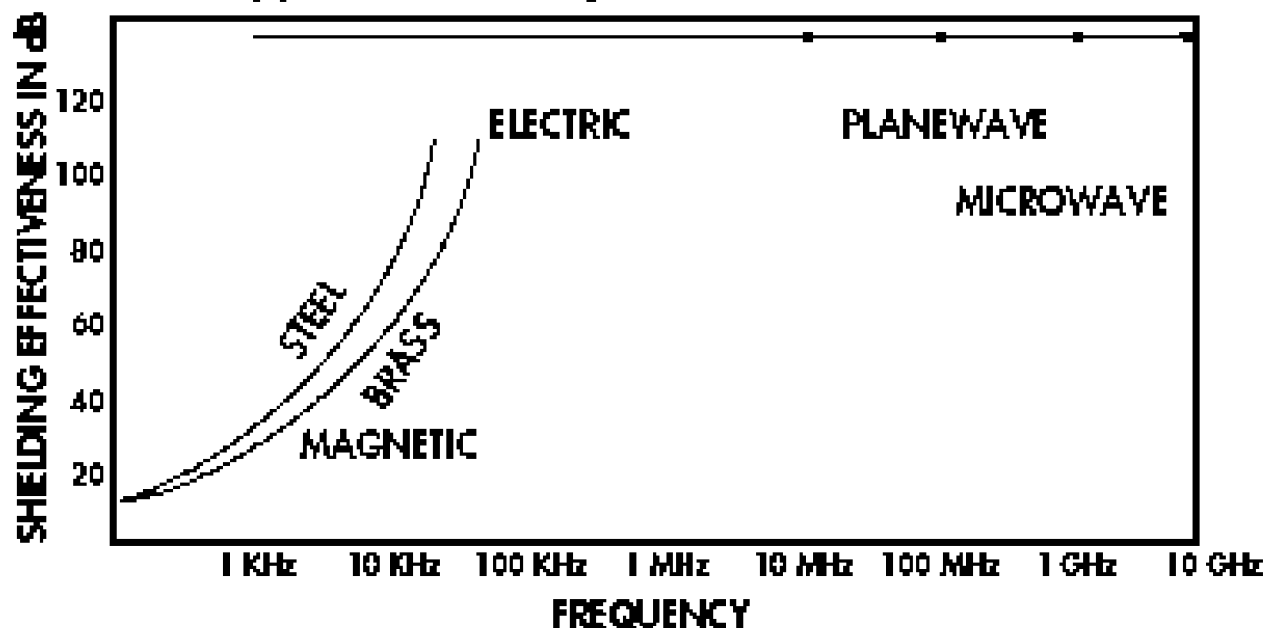
Corrected <sup>②</sup>%OA = 0.65 \* 0.805

$$= 52.4 \%$$

① Dimensions from the SolidWorks model, as shown on the next page (dated May 29, 2004).

②%OA – taking a cross section of the faceplate, the perforated portion of the faceplate represents ~ 80.5% of the total faceplate cross section.

## Typical Shielding Effectiveness <sup>3/16</sup> Cell



## Typical Pressure Drop $\frac{3}{16}$ Cell

